

VIA HAND DELIVERY  
PATENT  
36856.1193

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| <p>In re application of:<br/>Mitsunori ISHIMASA et al.<br/>Serial No.: Currently unknown<br/>Filing Date: Concurrently herewith<br/>For: PIEZOELECTRIC ELECTRO-ACOUSTIC<br/>TRANSDUCER AND MANUFACTURING METHOD<br/>OF THE SAME</p> |  |
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**INFORMATION DISCLOSURE STATEMENT**

U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop PATENT APPLICATION  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Sir:

In accordance with 37 CFR §1.56, and in recognition of their duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicant herewith submits copies of the prior art listed on the attached Information Disclosure Statement (Form PTO-1449), including an English abstract. The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

Applicants respectfully request that the disclosed references be made of record in the subject application.

Respectfully submitted,

  
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Date: January 20, 2004

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet **1** of **1***Complete if Known*

|                        |                           |
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| Application Number     |                           |
| Filing Date            |                           |
| First Named Inventor   | <b>Mitsunori ISHIMASA</b> |
| Art Unit               |                           |
| Examiner Name          |                           |
| Attorney Docket Number | <b>36856.1193</b>         |

## U.S. PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM -YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                              |  |   |
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## FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document  | Publication<br>Date<br>MM -YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
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|                       |                          | Country Code <sup>3</sup> Number-Kind Code <sup>5</sup> (if known) |                                 |  |   |                |
|                       | <b>1</b>                 | <b>JP 2000-310990</b>  | <b>11/2000</b>                  | <b>JAPAN</b>                                       |   | <b>X</b>       |
|                       | <b>2</b>                 | <b>JP 2003-009286</b>  | <b>01/2003</b>                  | <b>JAPAN</b>                                       |   | <b>X</b>       |
|                       | <b>3</b>                 | <b>JP 2003-023696</b>  | <b>01/2003</b>                  | <b>JAPAN</b>                                       |   | <b>X</b>       |
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| Examiner<br>Signature |  | Date<br>Considered |  |
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\*Examiner: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>1</sup> Applicant unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Abstract is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.